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INFORMATION DISCLOSURE CITATION IN AN			0667	83-0145		10/782,3	75				
APPLICATION											
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			U	.S. PATEN	T DO	CUMENTS					
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EXAMINER'S INITIALS	CITE NO.		name of the author (in of serial, symposium, cataled.								
	3.	ABBA	AS et al.," A wide	variety of m	utations	in the parkin ge	ene are	responsible	e for	<u> </u>	
		autos	somal recessive p	parkinsonism	n in Euro	pe. French Parl	kinson's	Disease G	enetics		
			Group and the				usceptib	ility in Park	kinson's		
			ase," <u>Hum. Mol. (</u>								
	4.		ES et al., "The se		l-1 binds	s syntaxin and in	hibits e	xocytosis,"	Nat.	,	
			osci. 2(5):434-43								
	5.		FON et al., "Syna					ns of neuro	nal		
	6.		port vesicles," <u>Eu</u>							ļ	
	0.	implic	MERT et al., "Inhoates synaptotag	nin in exocv	urotrans _' tosis." N	mitter release by Nature 363:163-1	y 02-ao 165 (199	main pepti 93)	aes		
	7.		FATI et al., "Mut					•	essive	+	
	''		onset parkinsoni				min autt	Journal 1600	000140		
	8.	CHU	NG et al., "Parkin	ubiquitinate	s the al	pha-synuclein-in	teractin	g protein, s	synphilin-1:	†	
		CHUNG et al., "Parkin ubiquitinates the alpha-synuclein-interacting protein, synphilin-1: implications for Lewy-body formation in Parkinson disease," Nat. Med. 7:1144-1150 (2001).									
	9.	COR	TI et al., "The p3	3 subunit of	the amir	noacyl-tRNA svn	thetase	complex is	a Parkin		
		substrate: linking protein biosynthesis and neurodegeneration," <u>Hum Mol. Genet.</u> 12:1427-1437 (2003).									
	10.	DAMIER et al., "The substantia nigra of the human brain. II. Patterns of loss of									
			dopamine-containing neurons in Parkinson's disease," <u>Brain</u> 122:1437-1448 (1999).								
	11. DAVIS et al., "Kinetics of synaptotagmin responses to Ca2+ and assembly with the core										
	SNARE complex onto membranes," Neuron. 24:363-376 (1999).						1999).		1		

EXAMINER	DATE CONSIDERED
/Stephen Gucker/	06/21/2010

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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This reference not attached. Will be provided under separate cover.

SHEET 2 OF 6

		SHEET Z OF 6
INFORMATION DISCLOSU CITATION IN AN APPLICATION	RE 066783-0145	SERIAL NO. 10/782,375
MILICATION	APPLICANT Pulst et al.	
(PTO-1449)	FILING DATE February 18, 2004	GROUP 1645
12. DIANTONIO et al., "The Drosophila," <u>Neuron.</u> 12	effect on synaptic physiology of syna:909-920 (1993).	aptotagmin mutations in
13. DIANTONIO et al., "Syr Drosophila," <u>Cell</u> 73:128	aptic transmission persists in synapto 1-1290 (1993).	otagmin mutants of
14. ELFERINK et al., "A role 159 (1993).	e for synaptotagmin (p65) in regulated	d exocytosis," <u>Cell</u> 72:153-
formation of cytosolic in	Synphilin-1 associates with alpha-syn clusions," <u>Nat. Genet.</u> 22:110-114 (19	999).
16. FERNANDEZ-CHACON release probability," Nat	l et al., "Synaptotagmin I functions as <u>ure</u> 410:41-49 (2001).	a calcium regulator of
	ular protein level of parkin is regulate 278:16054-16058 (2003).	d by its ubiquitin-like
	BA, "Characterization of KIAA1427 p ," <u>Biochem. J.</u> 354:249-257 (2001).	rotein as an atypical
19. FUKUDA et al., "A unique localization," <u>J. Neuroch</u>	ie spacer domain of synaptotagmin I\ em. 77:730-740 (2001).	V is essential for Golgi
	growth factor-dependent sorting of sy cles that undergo calcium-dependent -3226 (2003).	
21. GEPPERT et al., "Syna central synapse," <u>Cell</u> 7	ototagmin I: a major Ca2+ sensor for 9(4):717-727 (1994).	transmitter release at a
22. GERONA et al., "The C synaptotagmin to SNAR	terminus of SNAP25 is essential for 0 E complexes," <u>J. Biol. Chem.</u> 275:63	Ca ²⁺ -dependent binding of 28-6336 (2000).
	opsy case of autosomal-recessive juvetion in the parkin gene," Mov. Disorc	
24. HUYNH et al., "Parkin is cells," <u>Ann. Neurol.</u> 48:7	associated with actin filaments in ne 37-744 (2000).	uronal and nonneuronal
25. HUYNH et al., "Parkin c interacts with synaptota	olocalizes with actin filaments and sy gmin XI," <u>Abstr. Soc. Neurosci.</u> 27:60	naptic vesicles, and 07, abstract 233.1, (2001).
26. HUYNH et al., "Interaction (suppl. 3); A410 abstraction	on of Parkin with vesicle-associated p t S53.007 (2002).	proteins," <u>Neurology</u> 58
27. HUYNH et al., "The auto parkin, interacts with an 12(20):2587-2597 (2003	somal recessive juvenile Parkinson of d ubiquitinates synaptotagmin XI," <u>Hu</u>).	disease gene product, im. Mol. Genet.
<u>Neurochem.</u> 74:518-526	•	· —
29. IMAI et al., "An unfolded endoplasmic reticulum s	putative transmembrane polypeptide tress, is a substrate of Parkin," <u>Cell</u> 1	e, which can lead to 05:891-902 (2001).

EXAMINER	•	DATE CONSIDERED
/Stephen Gucker/		06/21/2010

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SHEET 3 OF 6

INFORMATION DISCLOSURE CITATION IN AN APPLICATION		ATTY. DOCKET NO.	SERIAL NO.		
		066783-0145	10/782,375		
(PTO-1449)	FILING DATE February 18, 2004	GROUP 1645		
30.		rith Parkin, a gene responsible for familial Parkinson's in ligase activity," Mol. Cell. 10:55-67 (2002).			
31.	IMAI et al., "Parkin suppresses un ubiquitin-protein ligase activity," <u>J.</u>	Biol. Chem. 275:35661-35664	(2000).		
32.	ISHIKAWA and TAKAHASHI, "Clir recessive juvenile parkinsonism,"	<u>J. Neurol.</u> 245(Suppl 3): p.4 –	p.9 (1998).		
33.	ISHIKAWA and TSUJI, "Clinical and autosomal-recessive type juvenile	parkinsonism," <u>Neurology</u> 47:	160-166 (1996).		
34.	JOAZEIRO and WEISSMAN, "RIN activity," <u>Cell</u> 102:549-552 (2000).	- '			
35.	JORGENSEN et al., "Defective re of Caenorhabditis elegans," Natur	<u>e</u> 378:196-199 (1995).			
36.	KITADA et al., "Mutations in the particle parkinsonism," Nature 392:605-60		cessive juvenile		
37.	LE et al., "Mutations in NR4A2 ass 33:85-89 (2003).	ssociated with familial Parkinson disease," Nat. Genet.			
38.	LEVEQUE et al., "Calcium-depend SNARE complexes," <u>J. Neurocher</u>	dent dissociation of synaptotag n. 74:367-374 (2000).	min from synaptic		
39.	LI et al., "Ca ²⁺ -dependent and -ind synaptotagmins," <u>Nature</u> 375:594-	ependent activities of neural a 599 (1995).	nd non-neural		
40.	MATSUMINE, "A loss-of-function of formation: autosomal recessive judges):10-14 (1998).	mechanism of nigral neuron de venile parkinsonism (AR-JP),"	eath without Lewy body J. Neurol. 245(Suppl		
41.	MORI et al., "Pathologic and bioch chromosome 6q," Neurology 51:89	nemical studies of juvenile park 90-892 (1998).	insonism linked to		
42.	MURPHEY and GODENSCHWEG function of neuronal circuits," Neuronal circuits,		he assembly and		
43.	NAOI et al., "Cell death of dopamin Ageing Dev. 111:175-188 (1999).	ne neurons in aging and Parkir	nson's disease," <u>Mech.</u>		
44.	POLYMEROPOULOS et al., "Muta with Parkinson's disease," Science	ation in the alpha-synuclein ger <u>e</u> 276:2045-2047 (1997).	ne identified in families		
45.	REIST et al., "Morphologically doc mutants of Drosophila," <u>J. Neuroso</u>		ced in synaptotagmin		
46.	REN et al., "Parkin binds to alpha/degradation," <u>J. Neurosci.</u> 23:3316		r ubiquitination and		
47.	RIBEIRO et al., "Synphilin-1 is dev association with synaptic vesicles 277:23927-23933 (2002).	relopmentally localized to syna is modulated by alpha-synucle	ptic terminals, and its in," <u>J. Biol. Chem.</u>		

EXAMINER	DATE CONSIDERED
/Stephen Gucker/	06/21/2010

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SHEET 4 OF 6

INFORMATION DISCLOSURE CITATION IN AN APPLICATION	ATTY. DOCKET NO. 066783-0145	SERIAL NO. 10/782,375		
	APPLICANT Pulst et al.			
(PTO-1449)	FILING DATE February 18, 2004	GROUP 1645		
48. SCHIAVO et al., "Binding of the s plasma membrane t-SNARE, SNA treated synapses," Proc. Natl. Act	AP-25, can explain docked ves	icles at neurotoxin-		
49. SCHLOSSMACHER et al., "Parki and dementia with Lewy bodies,"				
50. SCOLES et al., "Neurofibromatos betall-spectrin," Nat. Genet. 18:35	54-359 (1998).			
51. SHIBATA et al., "A novel protein v <u>Mol. Genet.</u> 9:1303-1313 (2000).				
52. SHIMURA et al., "Familial Parkins ligase," Nat. Genet. 25:302-305 (2		in, is a ubiquitin-protein		
** 53. SHIMURA et al., "Immunohistoch absence of protein in autosomal r 45:668-672 (1999).				
54. SHIMURA et al., "Ubiquitination o brain: implications for Parkinson's	f a new form of alpha-synucleir disease," <u>Science</u> 293(5528):2	n by parkin from human 263-269 (2001).		
55. STAROPOLI et al., "Parkin is a co protects postmitotic neurons from	component of an SCF-like ubiquitin ligase complex and m kainate excitotoxicity," <u>Neuron</u> 37:735-749 (2003).			
56. SUDHOF, "Synaptotagmins: why	so many?," <u>J. Biol. Chem.</u> 277	(10):7629-7632 (2001).		
57. TSAI et al., "Parkin facilitates the leads to preservation of proteasor	e elimination of expanded polyglutamine proteins and ome function," <u>J. Biol. Chem.</u> 278:22044-22055 (2003).			
** 58. VAN DE WARRENBURG et al., "0 parkinsonism and parkin gene mu	Clinical and pathologic abnorm tations," <u>Neurology</u> 56:555-557	alities in a family with 7 (2001).		
59. VOETS et al., "Intracellular calcius in the absence of synaptotagmin I	," <u>Proc. Natl. Acad. Sci. USA</u> 9	8:11680-11685 (2001).		
60. VON POSER et al., "The evolution synaptotagmins with an amino actors and actors are constant of the consta	id substitution that abolishes C	a ²⁺ binding," <u>J. Biol.</u>		
	WAKABAYASHI et al., "Immunocytochemical localization of synphilin-1, an alpha- synuclein-associated protein, in neurodegenerative disorders," <u>Acta Neuropathol</u> 103(3):209-214 (2002)			
** 62. WAKABAYASHI et al., "Synphilin- Ann. Neurol. 47:521-523 (2000).	1 is present in Lewy bodies in	Parkinson's disease,"		
63. WANG et al., "Synaptotagmin mod of dense-core vesicles," <u>Science</u> 2		in regulated exocytosis		
64. WINTERMEYER et al., "Mutation in German Parkinson's disease pa				

EXAMINER /Stephen Gucker/	DATE CONSIDERED 06/21/2010
/Otephen ducker/	30/21/2010

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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į			APPLICANT			1
			Pulst et al.			
			FILING DATE	GROUP		1
	()	(F1O-1449)		1645		
	65.	YAMADA et al., "Relative sparing neurons containing calbindin-p28K,				
	66.	ZHANG et al., "Parkin functions a		<u>'</u>	1	1
		promotes the degradation of the s Natl. Acad. Sci. USA 97:13354-13		ein, CDCrel-1," <u>Proc.</u>		
	67.	ZHANG et al., "Synaptotagmin I is		hrin AP-2: implications		1
		for membrane recycling," Cell 78: Database EMBL accession no. B				
	000000000000000000000000000000000000000				000000000000000000000000000000000000000	I
	70	Database EMBL accession no. Bt GenBank accession number AI14				Ī
	71	GenBank accession number AL13			***************************************	1
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	76	GenBank accession number RE9		***************************************		
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	79	GenRank accession number BG1	13587			
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	APPLICANT Pulst et al.		
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96. GenBank accession number CD6			
97. GenBank accession number CD6	314598		
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